

SEIT 1928

KONDENSATORMIKROFONE
FÜR STUDIO - UND MESSTECHNIK

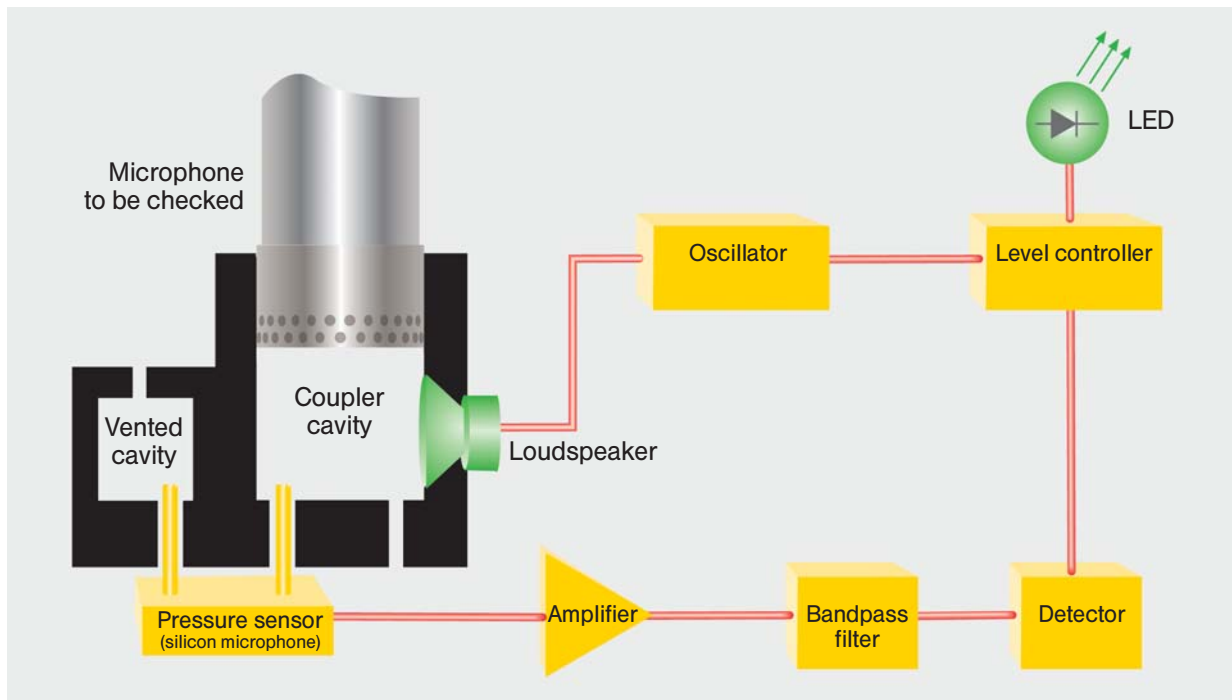
MICROTECH GEFELL



Schalldruck-Kalibrator 4000 Kl. 1 Sound Calibrator 4000 Cl. 1



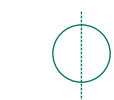
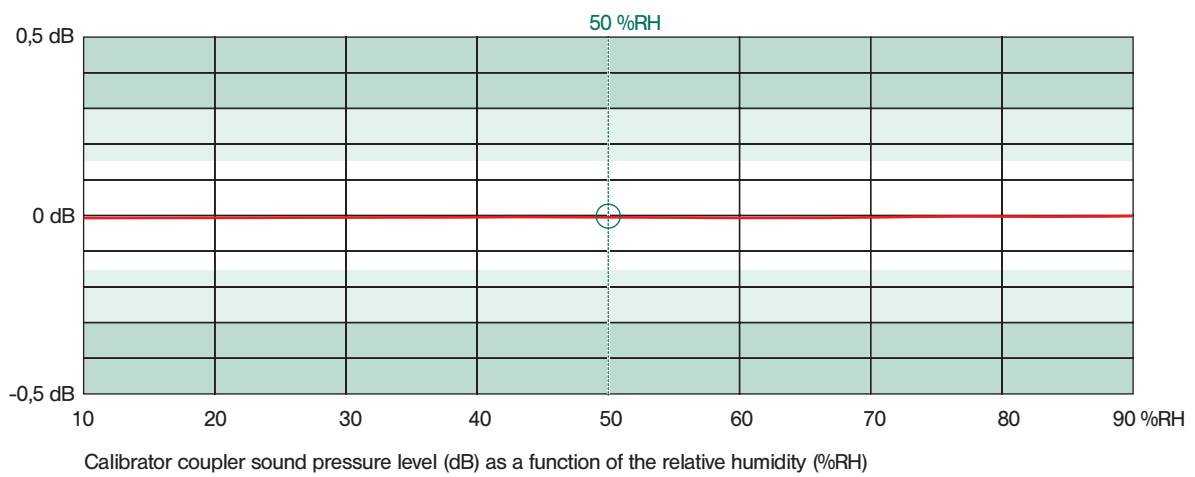
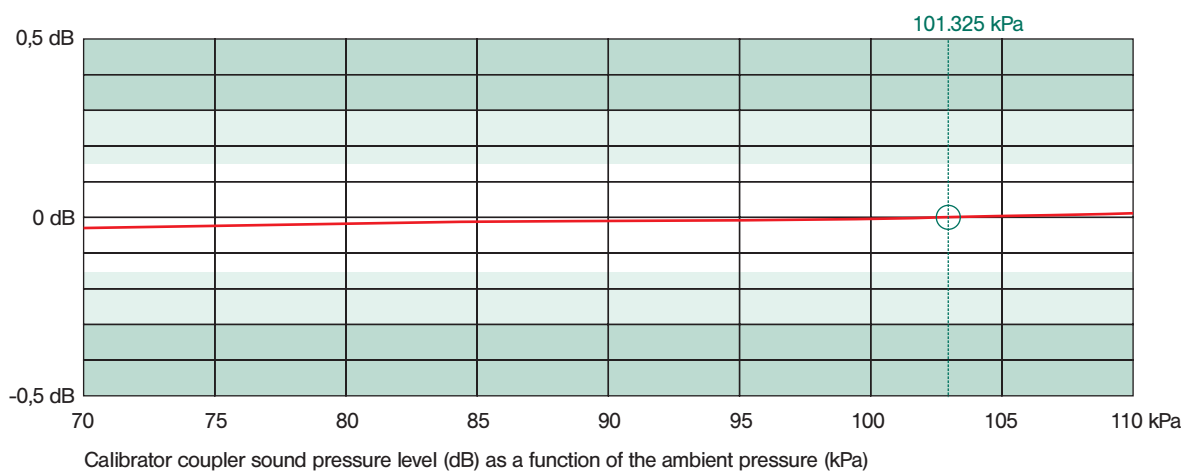
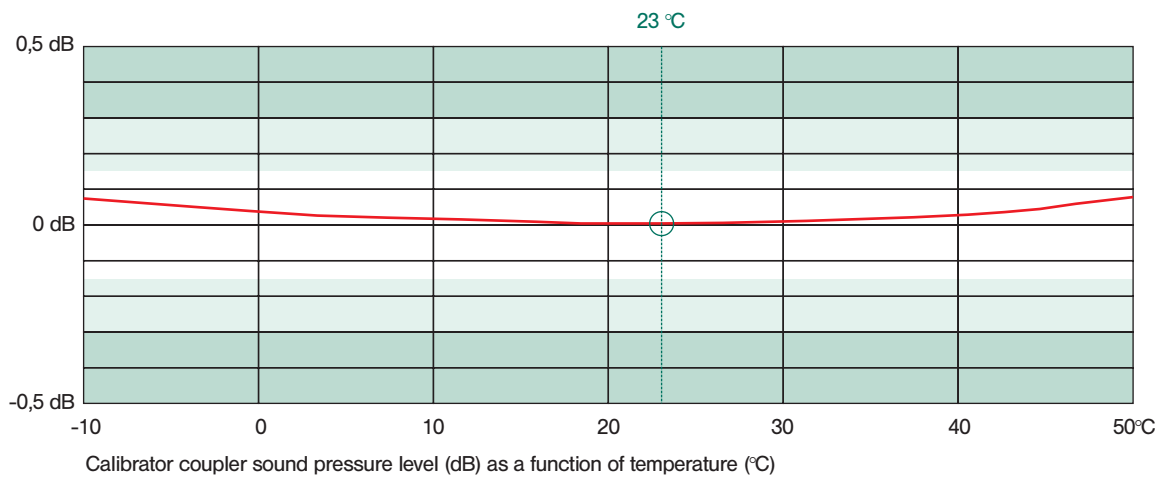
The sound calibrator operating principle



Specifications Sound Calibrator 4000

CE Certifikate

IEC 60942 Classification	Class 1
Complies with ANSI S 1.40	yes
Sound pressure level (re: 20 μ Pa)	114.0 \pm 0.2 dB
Frequency	1000 Hz \pm 0.2 %
Distortion	< 1 %
Sensitivity to change in the load volume	+ 0.0003 dB/mm ³
Typical change in SPL per year	< 0.02 dB
Time for level to stabilise	< 2 sec.
Microphone cartridge size	1", 1/2", 1/4"
Controls	Power-on push button with green LED indication. Automatic shut-off when the microphone is removed (except for 1/4")
Temperatur range	-10 $^{\circ}$ C to +50 $^{\circ}$ C
Ambient pressure range	65 - 108 kPa
Humidity range	10 / 90 %RH
Battery type	9 V 6LR61
Battery live-time	> 30 hours
External supply voltage (via battery connector)	7.5 - 15 Vdc. Automatic shout-off when V _{BATT} < 7.5 Vdc
CE classification, EMC	EN 50081-1, EN 50082-1
Safety	EN 61010-1, 1993 portable equipment pollution category 2
Size	L: 109.5 mm; \varnothing : 40 mm
Weight	185 g with battery



Reference point



Typical Class 0 value



Class 0 Tolerances

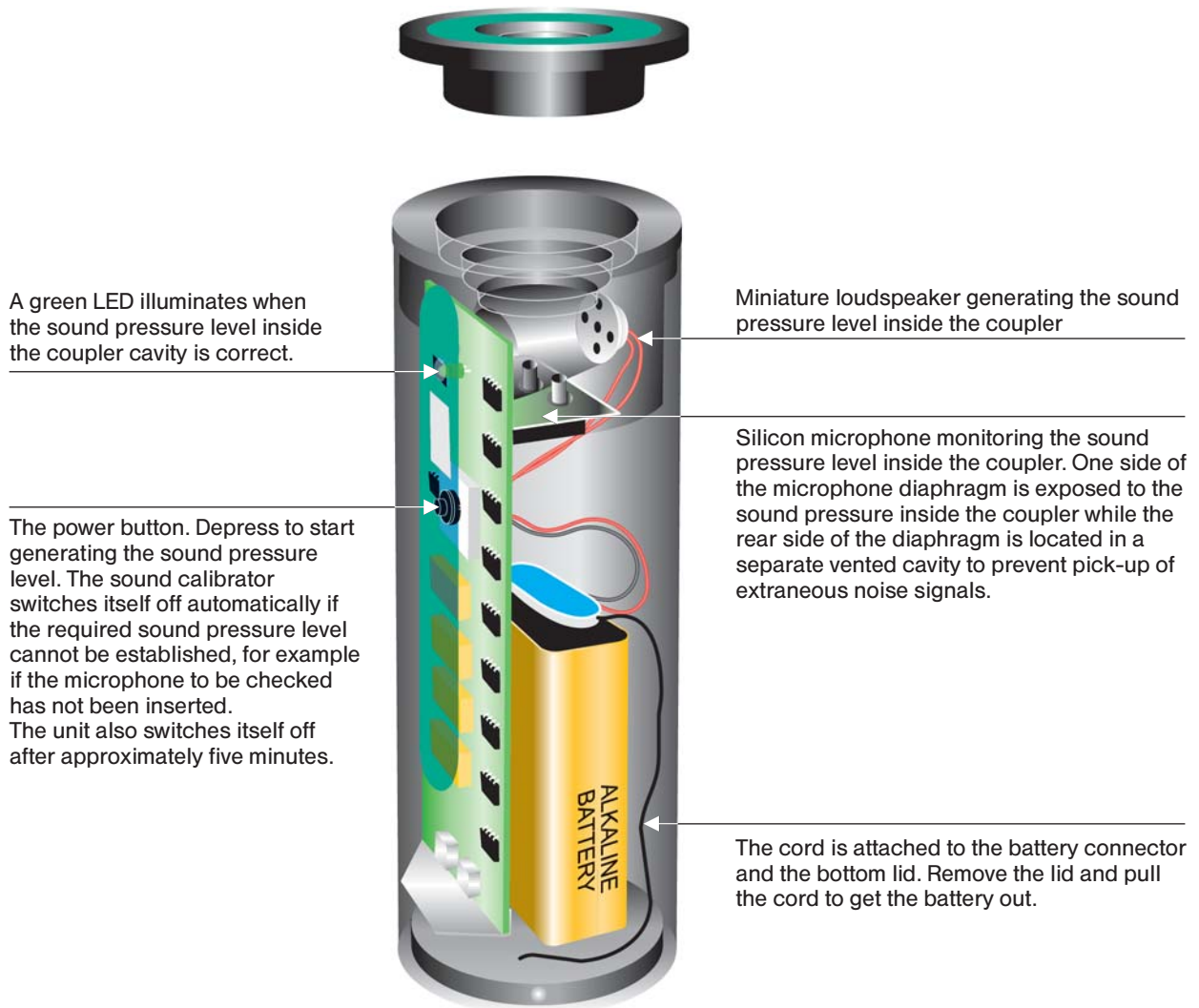


Class 1 Tolerances



Class 2 Tolerances

There are adaptors available to also facilitate the calibration of 1/2"-inch and 1/4"-inch cartridges in addition to full-inch.



Remove (by pulling) the bottom lid to gain access to the battery compartment.